

	Type	Hits	Search Text
1	BRS	71	("6,635,583" "6,624,064" "6573,030" "6,541397" "6,458,516" "6.423,384" "6,413,852" "6,386,947" "6,380106" "6,358,573" "6,333,255" "6,331,380" "6,323,119" "6,316,347" "6,291,334" "6,235,629" "6,214,730" "6,211065" "6165,890" "6,153,935" "6,151430" "6143,476" "6,140,226" "6,140,224" "6098,568" "6,097,870" "6,080,529" "6,066,577" "6,064,118" "6,057,226" "6,035,803" "6,030,901" "6024,044" "6,008,140" "5,999,293" "5,961,924" "5986,344" "5,949,934" "5,930,439" "5,904,491" "5,900,288" "5,881199" "5,866920" "5,858051" "5,789,320" "5770465" "5,759,913" "5,689,614" "5,567,476" "5465,860" "5,461,003" "5,378,256" "5,366,530" "5333229" "5263111" "5253,319" "5,165,004" "5,125,946" "4,972,799" "4,904,052" "4896,930" "4,856,859" "4,709,986" "4,619,680" "4,578.691" "4,578,097" "4,426,129" "4,425,146" "20030091938" "20020090794" "20020086547" "20020001778" "20010007788") .pn.
2	BRS	3	(10/383839 10/800112 10/799146 10/766724)
3	BRS	2	(10/383839 10/800112 10/799146 10/768724)
4	BRS	0	S3 and (deposit\$4 same (amorph\$5 hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same hardmask mask\$4) and amorphous\$3
5	BRS	0	S3 and ((amorph\$5 hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same hardmask mask\$4) and amorphous\$3
6	BRS	2	S3 and (amorph\$5 hardmask\$4 mask\$4 photoresist\$4 morphou\$4)
7	BRS	11	(deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4) same amorphous\$3)
8	BRS	154	(amorph\$5 near3 carbon\$3 near3 (hardmask\$3 mak\$4))

	DBs	Time Stamp	Comments	Error Definition
1	US-PGPUB; USPAT	2005/07/26 15:26		
2	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 15:31		
3	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:07		
4	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:47		
5	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:11		
6	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:47		
7	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:06		
8	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 11:06		

	Errors	Ref #
1		S1
2		S2
3		S3
4		S4
5		S5
6		S6
7		S7
8		S9

	Type	Hits	Search Text
9	BRS	0	S8 and S9
10	BRS	0	S7 and S9
11	BRS	3	S8 and carbon\$3
12	BRS	3	S8 not S12
13	BRS	8	S14 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
14	BRS	2	S15 not S8
15	BRS	6	S7 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
16	BRS	8	("20030041624" "6732550" "20040046963" "20030012483" "20030006140" "6311004" "6154582" "5032879").pn.
17	BRS	17	(deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4 amorphous\$3))
18	BRS	8	S17 and S14 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))
19	BRS	8	S18 and substrat\$4
20	BRS	8	S18 and substrat\$4 and core\$1 and cladd\$4
21	BRS	8	S18 and substrat\$4 and core\$1 and cladd\$4 and deposit\$4
22	BRS	2	"20030041624"
23	BRS	1	S22 and (deposit\$5 form\$4) same (core\$1 clad\$4) same substr\$5 and amorph\$5
24	BRS	2	S22 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5)
25	BRS	2	S22 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5) same cor\$1
26	BRS	2	S22 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5 cor\$1)

	DBs	Time Stamp	Comments	Error Definition
9	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:55		
10	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 16:56		
11	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:00		
12	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:00		
13	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:19		
14	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:08		
15	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:14		
16	US-PGPUB; USPAT	2005/07/26 18:18		
17	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 13:01		
18	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 10:32		
19	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:27		
20	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:28		
21	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:44		
22	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:44		
23	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:59		
24	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:53		
25	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:55		
26	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:58		

	<b>Errors</b>	<b>Ref #</b>
9		S10
10		S11
11		S12
12		S13
13		S15
14		S16
15		S8
16		S17
17		S14
18		S18
19		S19
20		S20
21		S21
22		S22
23		S23
24		S24
25		S25
26		S26

	Type	Hits	Search Text
27	BRS	8	S17 and (etch\$4 remov\$4) near12 (mask\$3 amorph\$5 cor\$1)
28	BRS	8	S27 and (deposit\$5 form\$4) same (core\$1 clad\$4) same substr\$5 and amorph\$5

	DBs	Time Stamp	Comments	Error Definition
27	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/26 18:58		
28	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 10:16		



	Errors	Ref #
27		S27
28		S28

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	3	("20040046963" "20030041624" "6154582").pn.	US- PGPUB; USPAT	2005/07/27 10:17
2	BRS	L2	3	1 and (clad\$5 same (silicon dioxide sio\$1 thermal oxide\$1 boron phosphorous, po\$1 p)) and (core same (germanium doped silicon dioxide sio\$1 boron doped silicon dioxide silicon germanium p phosphorous doped silicon dioxide silicon oxynitride silicon nitride silicon and combinations channel\$1))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 12:00
3	BRS	L4	1	"20040046963"	US- PGPUB; USPAT	2005/07/27 10:31
4	BRS	L5	3	1 and (deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4 amorphous\$3))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 10:32
5	BRS	L6	1	4 and (deposit\$4 same amorph\$5 same (hardmask\$4 mask\$4) same core\$1) and (photoresist\$4 same (hardmask mask\$4 amorphous\$3))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 10:32
6	BRS	L7	1	4 and (clad\$4 same core\$1) and ((etch\$3 remov\$4) same (amorph\$5 hardmask mak\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 10:33

	Comments	Error Definition	Errors
1			
2			
3			
4			
5			
6			

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L8	0	7 and (deposit\$5 near12 core\$4 same clad\$4 same substrat\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 10:34
8	BRS	L9	1	7 and (core\$4 same clad\$4 same substrat\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 10:34
9	BRS	L10	154	(amorph\$5 near3 carbon\$3 near3 (hardmask\$3 mak\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:35
10	BRS	L11	51	10 and (amorph\$5 near7 sili\$5)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:06
11	BRS	L12	27	11 and (amorph\$5 near3 carbon\$3 near3 silic\$5)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:07

	Comments	Error Definition	Errors
7			
8			
9			
10			
11			

	Type	L #	Hits	Search Text	DBs	Time Stamp
12	BRS	L13	5	11 and (amorph\$5 near3 carbon\$3 near3 silic\$5) same hardmask	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:10
13	BRS	L14	1	11 and (wavegui\$4 cladd\$4)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:11
14	BRS	L15	5	10 and (wavegui\$4 cladd\$4)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:34
15	BRS	L16	100300	((etch\$4 remov\$4) near5 (hardmask\$3 mak\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:37
16	BRS	L17	54	10 and 16	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:17

	Comments	Error Definition	Errors
12			
13			
14			
15			
16			

	Type	L #	Hits	Search Text	DBs	Time Stamp
17	BRS	L18	0	17 and (optical\$4 near7 (fiber\$1 wavegui\$4 cladd\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:18
18	BRS	L19	0	17 and (optical\$4 near7 (fibre\$1 fiber\$1 wavegui\$4 cladd\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:18
19	BRS	L20	0	17 and (optical\$4 same (fibre\$1 fiber\$1 wavegui\$4 cladd\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:19
20	BRS	L21	2	17 and ((fibre\$1 fiber\$1 wavegui\$4 cladd\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 11:19
21	BRS	L22	1	4 and 2	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 12:01



	Comments	Error Definition	Errors
17			
18			
19			
20			
21			

	Type	L #	Hits	Search Text	DBs	Time Stamp
22	BRS	L23	1	4 and (refrac\$5 index\$3 indic\$3) same (core\$1 clad\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:02
23	BRS	L24	1	4 and (refrac\$5 index\$3 indic\$3) same (core\$1 near12 clad\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:11
24	BRS	L25	1	4 and (clad\$4 near12 (undoped silic\$4 dioxide thermal oxid\$3 silicon dioxide doped boron\$3 phosphor\$4 material\$4 p sio\$3 glass\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:17
25	BRS	L26	1	4 and (clad\$4 near16 (dop\$4 undop\$4 silic\$4 dioxide thermal oxid\$3 silicon dioxide doped boron\$2 phosphor\$4 material\$4 p sio\$3 glass\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:25
26	BRS	L27	1	4 and (core\$1 near16 (gr\$4 sio\$2 glass germanium dop\$3 silic\$3 dioxide\$1 germanium boron doped silicon dioxide silicon germanium compositions phosphorous silicon dioxide silicon oxynitride nitride\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/07/27 12:27

	Comments	Error Definition	Errors
22			
23			
24			
25			
26			

	Type	L #	Hits	Search Text	DBs	Time Stamp
27	BRS	L28	1	4 and (deposit\$4 photoresis\$5 sacrifi\$5 ) same (core\$1 amorph\$5 hardmask\$4 mask\$4 core\$1)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 13:03
28	BRS	L29	1	4 and (deposit\$4 photoresis\$5 sacrifi\$5 ) same (core\$1 amorph\$5 hardmask\$4 mask\$4 core\$1 layer\$11 material\$1)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 13:03
29	BRS	L30	76	10 and ((hydr\$4 near2 carbon\$4) hydrocarbon\$4)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 13:35
30	BRS	L31	19	10 same ((hydr\$4 near2 carbon\$4) hydrocarbon\$4)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:03
31	BRS	L32	11	31 and (hardmask (had near3 mask\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:12

	Comments	Error Definition	Errors
27			
28			
29			
30			
31			

	Type	L #	Hits	Search Text	DBs	Time Stamp
32	BRS	L33	1	4 and (plasm\$3 hyrog\$4 oxigen\$4)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:09
33	BRS	L34	1	4 and (plasm\$3 hydrog\$4 oxigen\$4)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:10
34	BRS	L35	0	4 and (plasm\$3 same (gas\$5 hydrog\$4 oxigen\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:11
35	BRS	L36	21	10 and (plasm\$3 same (gas\$5 near7 (hydrog\$4 oxigen\$4)))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:12
36	BRS	L37	13	10 and (plasm\$3 near7 (gas\$5 near7 (hydrog\$4 oxigen\$4)))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:12

	Comments	Error Definition	Errors
32			
33			
34			
35			
36			

	Type	L #	Hits	Search Text	DBs	Time Stamp
37	BRS	L38	6	37 and (hardmask (had near3 mask\$4))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:13
38	BRS	L39	1	38 and (waveg\$5 fiber\$1 fibre\$1)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 14:13
39	BRS	L40	1	15 and (hardmask\$3 hard near4 mask\$3)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:35
40	BRS	L41	83	(amorph\$5 near3 carbon\$3 near3 (hardmask\$3 hard near4 mask\$3))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:36
41	BRS	L42	82	(amorph\$5 near1 carbon\$3 near3 (hardmask\$3 (hard near4 mask\$3)))	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:36



	Comments	Error Definition	Errors
37			
38			
39			
40			
41			

	Type	L #	Hits	Search Text	DBs	Time Stamp
42	BRS	L43	45	16 and 42	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:37
43	BRS	L44	36	43 and photoresist\$4	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:38
44	BRS	L45	36	44 and layer\$1	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:38
45	BRS	L46	20	45 and optical	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/07/27 15:38

	Comments	Error Definition	Errors
42			
43			
44			
45			